

Environmental Management Tools for Burn-Ash Sites



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DEH/SAM FORUM

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Overview



- Burn Dump Protocol (2003)
- Other Sources of Requirements
- Lead Regulatory Agency
- Preliminary Waste Characterization Study
- Other Regulatory Tools/Options
- Points of Contact/Information

Burn Dump Protocol (2003)



- Acronyms/terms
 - California Integrated Waste Management Board (Waste Board)
 - Local Enforcement Agencies (LEAs)
- Legislature (AB709)
- The participants
- The protocol - June 30, 2003

PRC Section 48022 (AB709)

Requires the DTSC, in consultation with the Waste Board and the State Water Board, to develop protocols to be utilized by the Waste Board and the LEAs for site investigation and characterization of burn dump sites.

Burn Dump Protocol (2003)

“It is not intended to be the sole guidance for characterization of burn dump sites in California. The procedures in this document are recommendations only.”

Other Sources

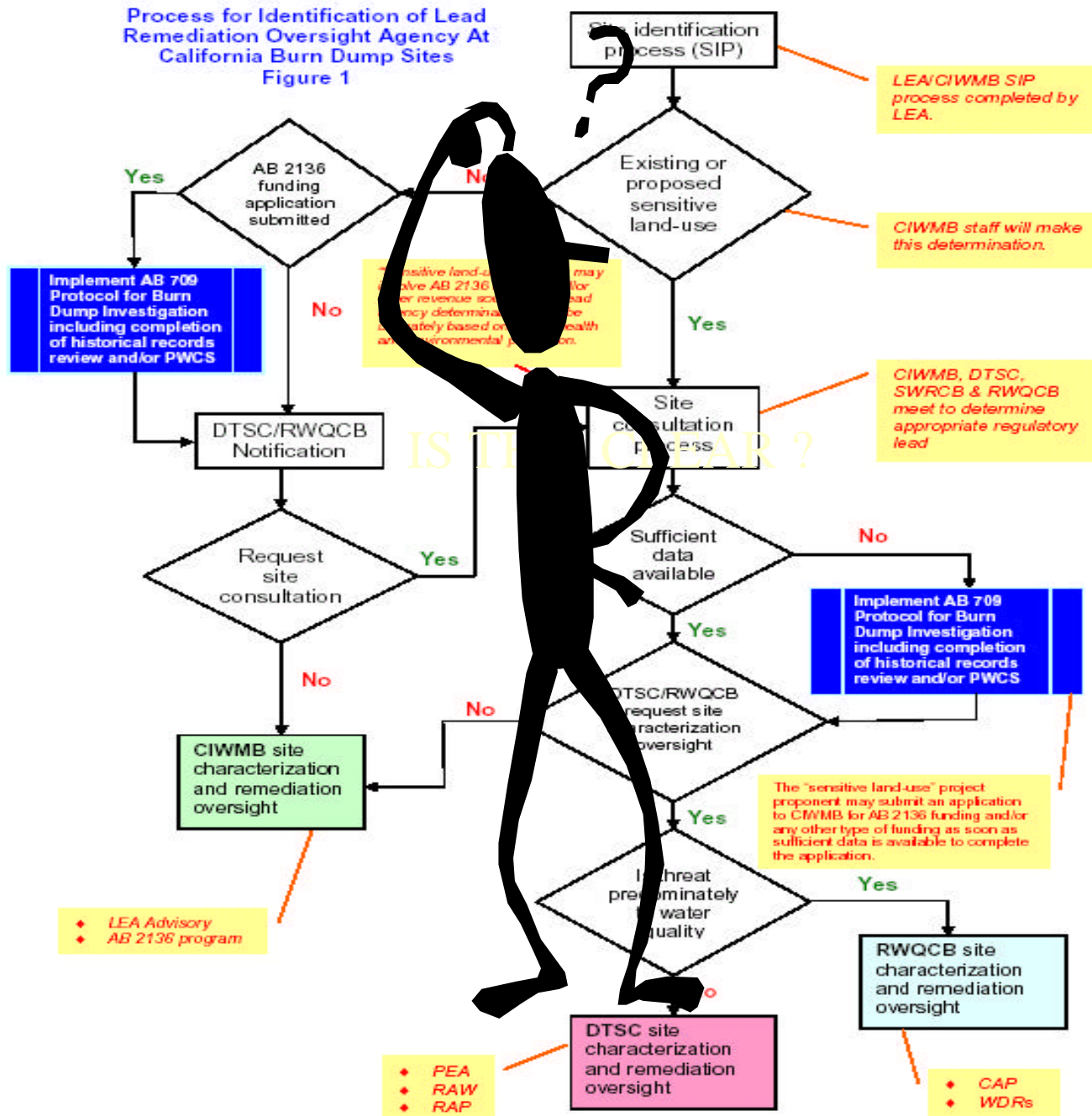
- SWRCB Resolution No. 92-49 (State Policy)
 - <http://www.swrcb.ca.gov/rwqcb9/programs/units/ldu/ldu.html>
- LEA Advisory No. 56 (Waste Board Guidance)
 - <http://www.ciwmb.ca.gov/leamemo/2001/burndumps/default.htm>
- SAM Manual Appendix E (DEH Guidance)
 - <http://www.co.san-diego.ca.us/>

Who's on first ?



The question of lead agency ...

Process for Identification of Lead
Remediation Oversight Agency At
California Burn Dump Sites
Figure 1



“Sensitive Site/Land Use”



- Residential, school, day care facility, or high density of occupation on a daily basis.
- Park, golf course, or any other similar open space area that is made available for public use and has a potential for human exposure to hazardous substances.

Lead Agency



- LEA or Waste Board likely
- Non-sensitive site
 - Waste Board notifies other agencies
 - Cal-EPA agencies decide within 30-days
- Sensitive land uses (DTSC)
- Water quality impacts (Regional Water Board)
- DTSC/Regional Water Board may request lead

Preliminary Waste Characterization Study (PWCS)

- Obtain AB2136 funds (LEAs) - **Required**
- Change in land use
- Potential threat to health, safety, or the environment
- Potential threat to water quality
- Includes/adjacent to sensitive land use areas

PWCS Topics



- Historical records review
- Conduct inspection
- Evaluate records and inspection results
 - No further action?
 - Physical hazards only?
 - Further assessment required?

PWCS Further Investigations

A decorative graphic consisting of a horizontal bar with a color gradient from dark blue on the left to bright yellow on the right. To the right of the bar is a large, stylized arrow pointing to the right, filled with a brown-to-orange gradient.

- Work plan for site characterization
- Conceptual site model
- Sampling and Analysis Plan
- Compare results to haz-waste criteria
- Human health risk screen

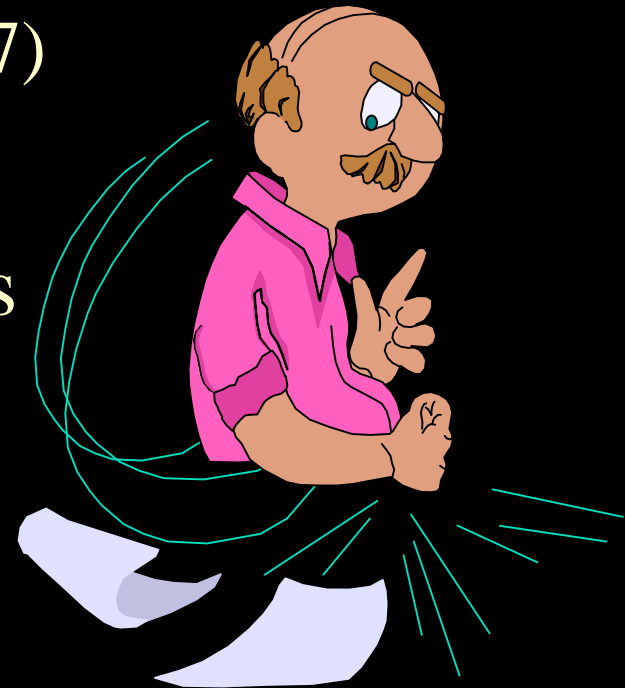
PWCS Further Investigation (cont'd)



- Risk Evaluation
 - Human health risk screen - PRGs
 - Site specific HH risks DTSC/USEPA
 - Ecological risk
 - <http://www.epa.gov/superfund/programs/risk/tooltrad.htm>
- PWCS Report format

Other RWQCB Tools/Options

- Investigations
 - SWAT Investigation (if on Statewide List)
 - Investigative Order (CWC 13267)
- Enforcement action
- Waste Discharge Requirements



Burn Dump Protocol POC

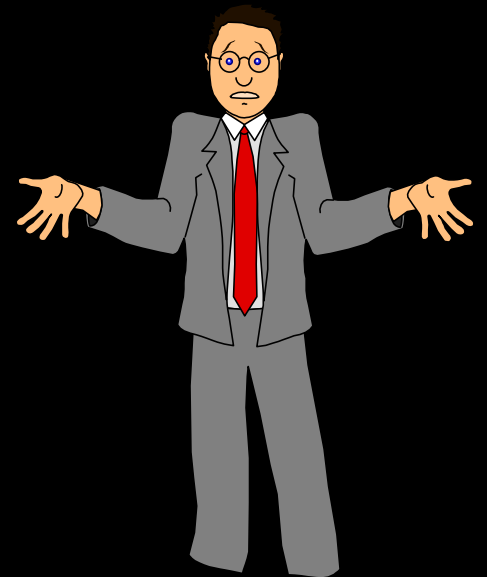
- Stewart Black (DTSC Sacramento)

- PHONE: 916-255-3665

- EMAIL: sblack@dtsc.ca.gov

- DTSC web site & publications:

- www.dtsc.ca.gov



LEA Points of Contact



- Ms. Kerry McNeill, County of San Diego
 - TEL: 858-694-2629
 - Email: kerry.mcneill@sdcounty.ca.gov
- Mr. David Carey, City of San Diego
 - TEL: 619-533-3695
 - Email: dcarey@sandiego.gov

AB2136 Program

- Wes Mindermann, AB 2136 Program Manager, California Integrated Waste Management Board
- Phone: (916) 341-6314 or wminderm@ciwmb.ca.gov
- Info on-line at:
 - <http://www.ciwmb.ca.gov/LEACentral/GrantsLoans/SolidWaste/LEA/Guide.htm>



Other Questions?

- John Odermatt, San Diego Regional Water Board
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 - email: oderj@rb9.swrcb.ca.gov
- Web page:
 - <http://www.swrcb.ca.gov/rwqcb9>